

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference LODM/P31855PC	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2004/004575	International filing date (day/month/year) 29/10/2004	(Earliest) Priority Date (day/month/year) 30/10/2003
Applicant LODERS CROKLAAN BV		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☒ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

FOOD PRODUCT COMPRISING AN EXTRACT FROM PINE NEEDLES

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004575A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A23L1/30 A61K35/78 A23D7/005 C07C62/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A23L A61K A23D C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, FSTA, BIOSIS, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 466 453 A (UCHIDA YUKIO ET AL) 14 November 1995 (1995-11-14) column 1, lines 17-29 column 2, lines 34-65 column 4, lines 45-56 column 5, lines 2,20-62 claims 2,4; example 1	1,2,4-22
Y	column 5, lines 25-35 -----	1,2,4-6
Y	DATABASE WPI Derwent Publications Ltd., London, GB; AN 1997-272844 XP002272810 DONG Y, WANG S, ZHANG R: "Method for extracting raw pine needle juice" & CN 1 102 111 A (DONG Y) 3 May 1995 (1995-05-03) abstract ----- -/--	1,2,4-6

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

16 December 2004

Date of mailing of the international search report

30/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Couzy, F

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004575

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 190 680 B1 (YOSHINO HISAKO ET AL) 20 February 2001 (2001-02-20) column 2, lines 17-28 column 5, lines 20-27 -----	1,2,4-22
A	LEE Y-H ET AL: "THE CHOLESTEROL-LOWERING EFFECTS OF THE EXTRACT FROM PINUS STOBUS IN CHICKENS" HANGUG NYENNYAN SIGRYAN HAGHOI JI - JOURNAL OF THE KOREAN SOCIETY OF FOOD AND NUTRITION, PUSAN, KR, vol. 25, no. 2, 1996, pages 188-192, XP001026939 ISSN: 0253-3154 abstract -----	1,2,4-19
A	DATABASE WPI Derwent Publications Ltd., London, GB; AN 2002-203307 XP002272811 JEONG CB: "Production of steamed bread" & KR 2001 091 281 A (JEONG CB) 23 October 2001 (2001-10-23) abstract -----	1,2,4-19
A	US 6 329 000 B1 (JI LING) 11 December 2001 (2001-12-11) cited in the application column 1, lines 6-8 column 3, lines 49-54 -----	1,2,4-19
A	EP 1 129 711 A (UNILEVER PLC ; UNILEVER NV (NL)) 5 September 2001 (2001-09-05) column 4, lines 5,6 -----	1,2,4-19
A,P	WO 2004/064757 A (GINSKI MARK ; SHIRE LAB INC (US); COUCH RICHARD A (US); KIBALO BEN (US) 5 August 2004 (2004-08-05) pages 2,7,8 claims 1,23 -----	1-22
A	DATABASE BIOSIS BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; Phyton (Horn) 1978; 18: 3-4 1980, LINDNER W, GRILL D: "Acids in conifer needles" XP002311085 Database accession no. 198069060322 abstract ----- -/--	1,2,4-22

D9

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004575

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI Week 2001 Derwent Publications Ltd., London, GB; AN 2001-495315 XP002311086 LEE HG, LEE SJ, LEE YH, PARK SY: "Novel melanin biosynthesis inhibitor" & KR 2001 017 516 A (HAI TAI CONFECTIONARY CO LTD) 5 March 2001 (2001-03-05) abstract</p> <p>-----</p>	1,2,4-22

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 3

Present claim 3 relates to an extremely large number of possible compounds which are only defined by reference to how they are obtained. In view of the extremely large number of possibilities for such compounds and the impossibility to reliably determine under which of the A and B categories a compound falls, a lack of clarity within the meaning of Article 84 EPC arises to such an extent as to render a meaningful search of claim 3 impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear, namely the other claims. For claims dependent on claim 3, the subject-matter was searched ignoring any feature that might have been brought by claim 3 itself, thus these claims have been incompletely searched (claims 4-5 and 7-19).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/004575

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.: 3
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004575

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5466453	A	14-11-1995	CN 1081844 A , B	16-02-1994
			DE 69312547 D1	04-09-1997
			DE 69312547 T2	08-01-1998
			EP 0565313 A2	13-10-1993
			HK 1000338 A1	27-02-1998
			JP 3203572 B2	27-08-2001
			JP 6009419 A	18-01-1994
			KR 268401 B1	16-10-2000
CN 1102111	A	03-05-1995	NONE	
US 6190680	B1	20-02-2001	JP 2000157168 A	13-06-2000
KR 2001091281	A	23-10-2001	NONE	
US 6329000	B1	11-12-2001	WO 9832455 A1	30-07-1998
			AU 734851 B2	21-06-2001
			AU 1588497 A	18-08-1998
			CA 2279261 A1	30-07-1998
			EP 1013278 A1	28-06-2000
			JP 2001508777 T	03-07-2001
EP 1129711	A	05-09-2001	EP 1129711 A2	05-09-2001
			AT 258435 T	15-02-2004
			DE 60101859 D1	04-03-2004
			ES 2213666 T3	01-09-2004
WO 2004064757	A	05-08-2004	US 2004167203 A1	26-08-2004
			WO 2004064757 A2	05-08-2004
KR 2001017516	A	05-03-2001	NONE	